

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference LTP-0003.PCT	FOR FURTHER see Notification of 7 ACTION (Form PCT/ISA/22	Fransmittal of International Search Report 0) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day month year)
PCT/SE 03/00973	12 June 2003	20 June 2002
Applicant		·
LTP Lipid Technologies Pro	ovider AB et al	
		A distributed to the
This international search report has applicant according to Article 18. A	been prepared by this International Searchi copy is being transmitted to the Internation	al Bureau.
This international search report cons	ists of a total of sheets.	
X It is also accompanied b	y a copy of each prior art document cited i	n this report.
in the language in which it wa	he international search was carried out on s filed, unless otherwise indicated under thi	.
to this Authority (Rule 2	3.1(b)).	n of the international application furnished
b. With regard to any nucleotide international search was carrie	and/or amino acid sequence disclosed in the ed out on the basis of the sequence listing:	e international application, the
contained in the internat	ional application in written form.	
filed together with the in	ternational application in computer readab	le form.
furnished subsequently to	o this Authority in written form.	
furnished subsequently to	o this Authority in computer readable form	
the statement that the su	bsequently furnished written sequence listing tion as filed has been furnished.	ig does not go beyond the disclosure in
the statement that the in listing has been furnished	formation recorded in computer readable f d.	orm is identical to the written sequence
2. Certain claims were four	nd unsearchable (See Box I).	
3. Unity of invention is lack	king (See Box II).	
4. With regard to the title,		
	ubmitted by the applicant.	
the text has been establi	shed by this Authority to read as follows:	·
5. With regard to the abstract,	when itted by the applicant	
the test has been establi	submitted by the applicant. shed, according to Rule 38.2(b), by this Au ne month from the date of mailing of this in rity.	athority as it appears in Box III. The international search report, submit
	published with the abstract is Figure No	
as suggested by the app	licant.	None of the figures.
because the applicant fa	iled to suggest a figure.	
because this figure bette	r characterizes the invention.	

Form PCT/ISA/210 (first sheet) (July 1998)



Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This inte	rnational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: 29-30 because they relate to subject matter not required to be searched by this Authority, namely:
	see next sheet
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:
l	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July1998)

International application No. PCT 03/00973

Claims 29-30 relate to methods of treatment of the human or animal body by surgery or by therapy/ diagnostic methods practised on the human or animal body/Rule 39.1.(iv). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds/compositions.

Form PCT/ISA/210 (extra sheet) (July1998)

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61K 31/727, A61K 47/44, A61K 9/20
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61K, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI DA	TA, EPO-INTERNAL, CA DATA, EMBASE,	MEDLINE, BIOSIS, PAJ	
	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appr	opriate, of the relevant passages	Relevant to claim No.
X .	European Journal of Pharmaceutica Volume 1, 1994, L. Lohikangas contribution of phosphatidylo monoglyceride to absorption of molecular weight heparin (Fra lipid-based drug delivery sys human intestinal epithelial (rectal administration to rabb page 312, abstract, 3.1, 3.3	s et al: "Relative choline and enhancement of low agmin) by a new stem in monolayers of Caco-2 cells and after pits", page 307 -	1-30
X	WO 0191729 A1 (BASF AKTIENGESELLS 6 December 2001 (06.12.01), 6	SCHAFT), example 5	1-30
			
X	WO 9319737 A1 (KABI PHARMACIA AB) (14.10.93), example 1), 14 October 1993	1-30
X Furth	er documents are listed in the continuation of Box	C. See patent family annex	
"A" docume	categories of cited documents: ont defining the general state of the art which is not considered f particular relevance application or patent but published on or after the international	"T" later document published after the interdate and not in conflict with the applitude principle or theory underlying the	cation but cited to understand invention
filing d "L" docume cited to special	ate ant which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other reason (as specified)	"X" document of particular relevance: the considered novel or cannot be considered to the document is taken alone "Y" document of particular relevance: the considered to involve an inventive step	red to involve an inventive claimed invention cannot be by when the document is
"O" docume means	ent referring to an oral disclosure, use, exhibition or other	combined with one or more other such being obvious to a person skilled in th	

"L"	document which may throw doubts on priority claim(s) or which is		step when the document is taken alone
	cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is
′0″	document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such documents, such combination being obvious to a person skilled in the art
"P"	document published prior to the international filing date but later than the priority date claimed		document member of the same patent family
Dat	e of the actual completion of the international search	Date of	mailing of the international search report
			2 9 -09 - 2003
26	Sept 2003		
	ne and mailing address of the ISA/	Author	ized officer
Swe	edish Patent Office		•
Box	c 5055, S-102 42 STOCKHOLM	Ingr	id Eklund/EÖ
Fac	simile No. + 46 8 666 02 86	Teleph	one No. +46 8 782 25 00

Form PCT/ISA/210 (second sheet) (July 1998)

Form PCT/ISA/210 (continuation of second sheet) (July 1998)

Internation No. PCT 03/00973

C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	of the relevant passages	Relevant to claim No
X	US 5626869 A (HÅKAN NYQVIST ET AL), 6 May 1997 (06.05.97), examples 6-7	1-30
A	US 5082667 A (KURT G. VAN SCOIK), 21 January 1992 (21.01.92), example 2	1-30
A	 WO 9205771 A1 (KABI PHARMACIA AB), 16 April 1992 (16.04.92), page 23, claim 18	1-30
A	 EP 0368247 A2 (TAKEDA CHEMICAL INDUSTRIES, LTD.), 16 May 1990 (16.05.90), examples 1-2	1-30
E,X	 WO 03049721 A1 (COSMO S.P.A.), 19 June 2003 (19.06.03), examples 1-14, claims 1-3	1-30
E,X	WO 0247663 A1 (F. HOFFMAN-LA ROCHE AG), 20 June 2002 (20.06.02), claims 1-8	1-30
		<u>.</u>
	·	

INTERNATIONAL SEARCH REPORT Information on family members

26/07/03

International application No.
PCT/S 03/00973

	nt document search report		Publication date		Patent family member(s)	Publication date
WO	0191729	A1	06/12/01	AU	6603301 A	11/12/01
MO	0131,23			BR	0111257 A	10/06/03
				CA	2409828 A	06/12/01
				DE	10026699 A	06/12/01
				EP	1284717 A	26/02/03
				NO	20025755 D	00/00/00
				NO	20025759 A	14/01/03
WO	9319737	A1	14/10/93	AT	165971 T	15/05/98
NO	3023			AU	3912493 A	08/11/93
				CA	2102494 A	28/09/93
				CZ	285672 B	13/10/99
				CZ	9302477 A	13/07/94
				DE	69318503 D,T	05/11/98
				DK	591492 T	15/02/99
				EP	0591492 A,B	13/04/94
				SE	0591492 T3	16/07/09
				ES	2116447 T	16/07/98
				FΙ	110842 B	00/00/00
				FI	935273 A	26/11/93 30/10/95
				HU	70405 A	28/03/01
				HU	219240 B 9303357 D	00/00/00
				HU	9303357 D 105017 A	22/12/99
				IL.	6508155 T	14/09/94
				JP KR	243921 B	02/03/00·
				MX	9301716 A	31/01/94
				NO	305537 B	21/06/99
				NO	934284 A	26/11/93
				NZ	251488 A	26/03/96
				PL	172896 B	31/12/97
				RU	2128505 C	10/04/99
				SE	9200951 D	00/00/00
				SK	132293 A	06/07/94
				SK	280494 B	13/03/00
				US	5626869 A	06/05/97
				ZA	9301470 A	23/09/93

INTERNATIONAL SEARCH REPORT Information on the family members

26/07/03

International application No.
PCT 03/00973

				T	Data to Caraller	Publication
	nt document n search report		Publication date		Patent family member(s)	date .
US	5626869	Α	06/05/97	AT	165971 T	15/05/98
us	3020803	^	00, 03, 31	AU	3912493 A	08/11/93
				CA	2102494 A	28/09/93
				CZ	285672 B	13/10/99
				CZ	9302477 A	13/07/94
				DE	69318503 D,T	05/11/98
				DK	591492 T	15/02/99
				EP	0591492 A,B	13/04/94
				SE	0591492 T3	
				ES	2116447 T	16/07/98
				FI	110842 B	00/00/00
				FΙ	935273 A	26/11/93
				HŪ	70405 A	30/10/95
				HU	219240 B	28/03/01
				HU	9303357 D	00/00/00
				IL	105017 A	22/12/99
				JP	6508155 T	14/09/94
				KR	243921 B	02/03/00
				MX	9301716 A	31/01/94
				NO	305537 B	21/06/99
				NO	934284 A	26/11/93
				NZ	251488 A	26/03/96 ·
				PL	172896 B	31/12/97
				RŪ	2128505 C	10/04/99
				SE	9200951 D	00/00/00
		•		SK	132293 A	06/07/94
				SK	280494 B	13/03/00
				WO	9319737 A	14/10/93
				ZA	9301470 A	23/09/93
				SE	500464 C	27/06/94
				SE	9300258 A	27/06/94
				WO	9416944 A	04/08/94
US	5082667	 А	21/01/92	CA	1335257 A,C	18/04/95
05	3002007	•	, ~,	DE	68906461 D,T	21/10/93
				EP	0345628 A,B	13/12/89
				SE	0345628 T3	
				ES	2057021 T	16/10/94
				JP	2032014 A	01/02/90
				JP	2940937 B	25/08/99

INTERNATIONAL SEARCH REPORT Information of the family members

26/07/03

enal application No. 03/00973 PCT)

Pate cited i	ent document n search report		Publication date		Patent family member(s)	Publication' date
WO	9205771	A1	16/04/92	AT	137667 T	15/05/96
110	•			AU	645143 B	06/01/94
				AU	8710591 A	28/04/92
				CA	2069760 A,C	29/03/92
				DE	69119400 D,T	05/12/96
				DK	514506 T	12/08/96
	•			EP	0514506 A,B	25/11/92
				SE	0514506 T3	
				ES	2088024 T	01/08/96
				FI	922452 A	27/05/92
				GR	3020674 T	31/10/96
				ΙE	62194 B	28/12/94
				ΙE	913246 A	08/04/92
				JP	2855594 B	10/02/99
				JP	5503711 T	17/06/93
				NO	304729 B	08/02/99
				NO	922084 A	26/05/92
				PΤ	99113 A,B	31/08/92
				SE	9003100 D	00/00/00
				US	5665379 A	09/09/97
EP	0368247	A2	16/05/90	SE	0368247 T3	
			•	AT	106239 T	15/06/94
				AU	645003 B	06/01/94
				AU	3856193 A	26/08/93
				AU	4443789 A	21/06/90
				CA	2002363 A	08/05/90
				DE	68915695 D,T	15/09/94
				DK	555389 A	09/05/90
				HU	211615 B	28/12/95
				HU	9500640 A	28/11/95
				KR	148002 B	17/08/98 ·
				NZ	231281 A	29/01/91
				US	5399357 A	21/03/95
				US	5593690 A	14/01/97
				JP	2223533 A	05/09/90
				JP	2893191 B	17/05/99
				ZA	8908470 A	25/07/90
wo	03049721	A1	19/06/03	NONE		
WO	0247663	A1	20/06/02	AU	1608502 A	24/06/02
				US	2002114837 A	22/08/02